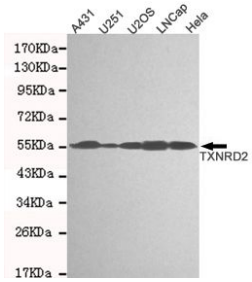
TXNRD2

Mouse monoclonal Antibody

#53520

Catalog Number: 53520
Amount: 100μg/100μl
Swiss-Prot No. :Q9NNW7
Gene name:txnrd2
Gene id:10587
Clone Number： 3F2-E12-F10
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human TXNRD2 protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of TXNRD2 and does not corss-react with related proteins
Reactivity: Human
Applications: Predicted MW: 56kd WB: 1:1000



Western blot detection of TXNRD2 in A431,U251,U2OS,Lncap and Hela cell lysates and using TXNRD2 mouse mAb (1:1000 diluted).Predicted band size: 56KDa.Observed band size: 56KDa.

Background:

Thioredoxin reductase (TR) is a dimeric NADPH-dependent FAD containing enzyme that catalyzes the reduction of the active site disulfide of thioredoxin and other substrates. TR is a member of a family of pyridine nucleotide-disulfide oxidoreductases and is a key enzyme in the regulation of the intracellular redox environment. Three thioredoxin reductase genes have been found that encode selenocysteine containing proteins. This gene partially overlaps the COMT gene on chromosome 22.